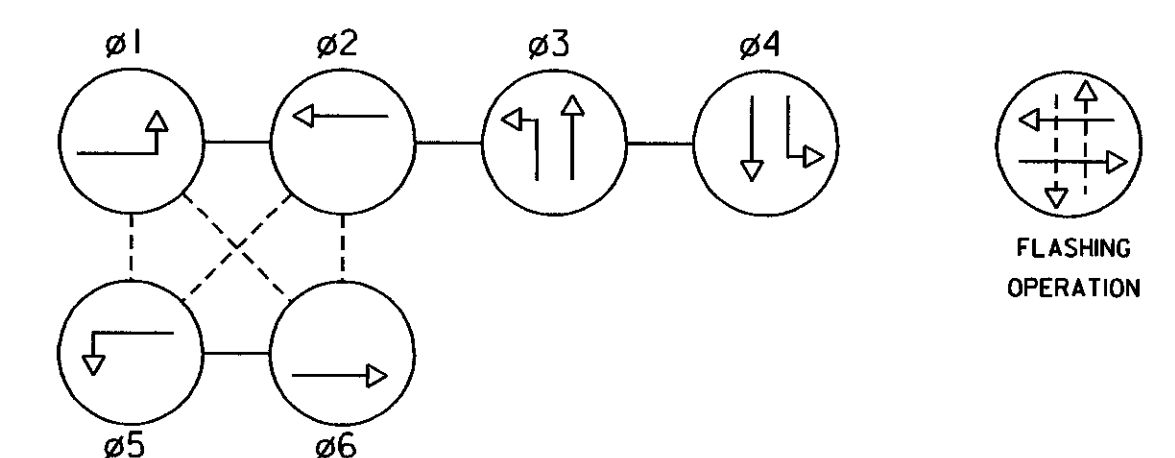
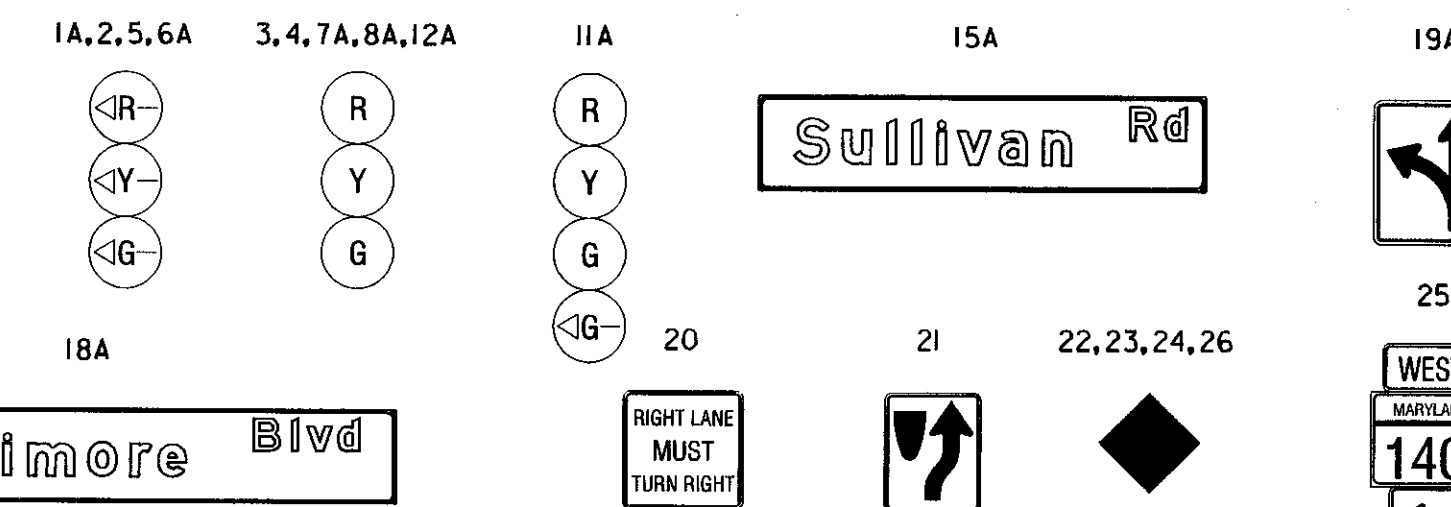
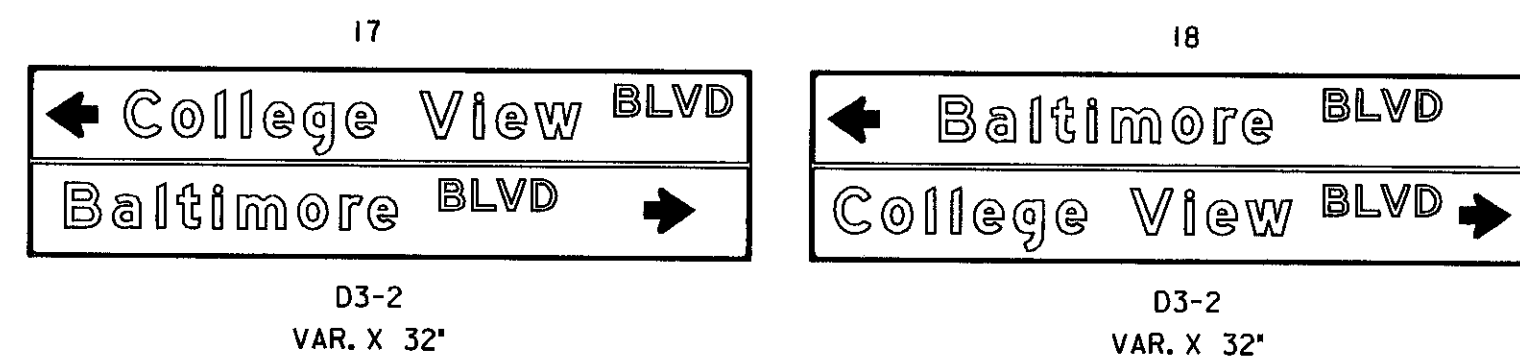
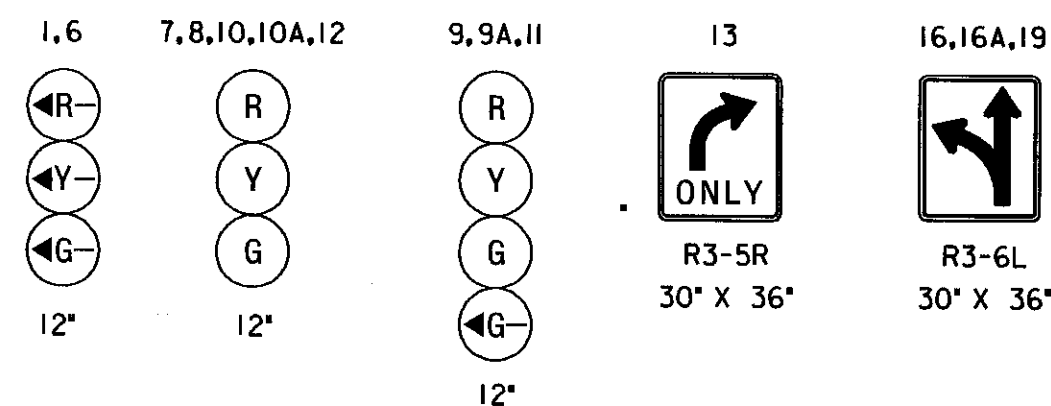


PROPOSED SIGNS/SIGNALS

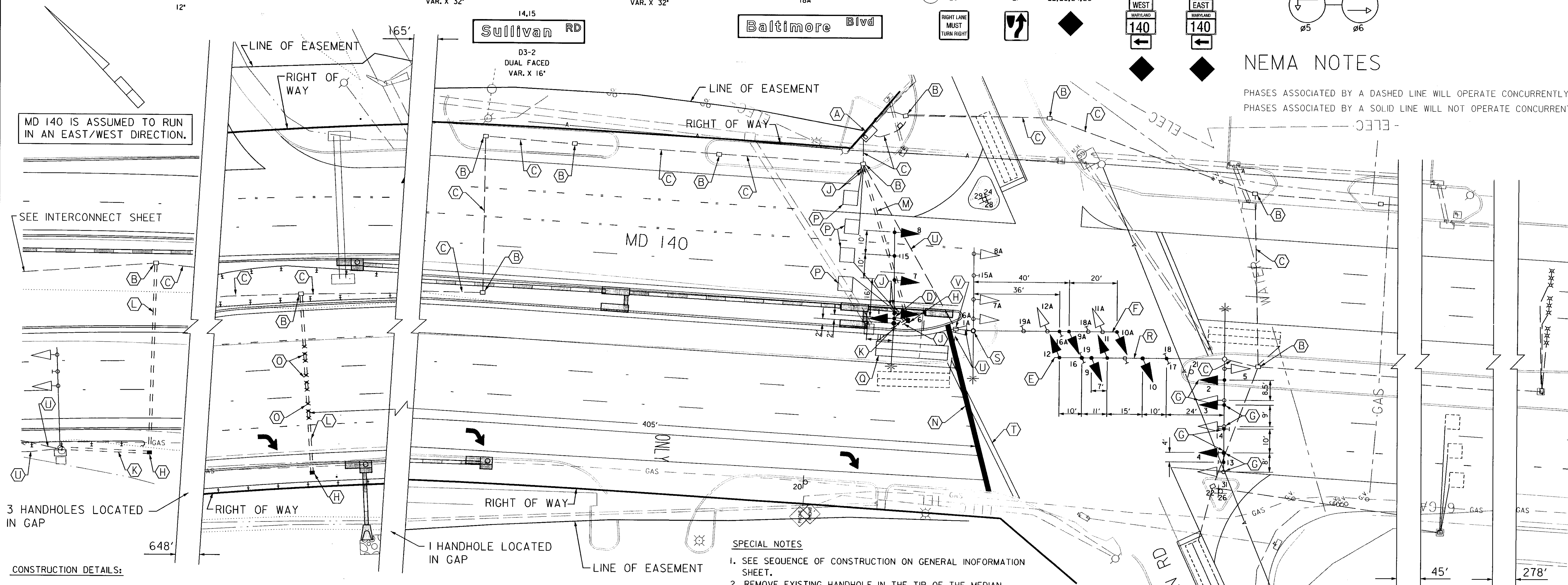
EXISTING SIGNS/SIGNALS

NEMA PHASING



NEMA NOTES

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



MD 140 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

SEE INTERCONNECT SHEET

3 HANDHOLES LOCATED IN GAP

CONSTRUCTION DETAILS:

- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 27 FT. STEEL POLE WITH 3 IN. ELBOW, 38 FT. MAST ARM, VEHICULAR SIGNAL HEADS, SIGNS, AND 20 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE. ALSO CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE.
- INSTALL 70 FT. MAST ARM ON EXISTING POLE WITH VEHICULAR SIGNALS HEADS AND SIGNS (NOTE: BAG SIGNAL HEADS AND SIGNS UNTIL DIRECTED BY ENGINEER).
- INSTALL TEMPORARY SIGNAL HEADS AND SIGN ON EXISTING MAST ARM.
- RELOCATE EXISTING SIGNAL HEADS AND SIGN ON MAST ARM.
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- INSTALL 3 IN. (SCH 80) PVC ELECTRICAL CONDUIT-TRENCHED.
- INSTALL 3 IN. (SCH 80) PVC ELECTRICAL CONDUIT-BORED.
- INSTALL 4 IN. (SCH 80) PVC ELECTRICAL CONDUIT-BORED.
- INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKINGS FOR STOP LINE.
- INSTALL MICRO-LOOP NON INVASIVE PROBE SET WITH 1000 FT. LEAD IN.
- INSTALL 6 FT. X 6 FT. TYPE (4 TURNS) LOOP DETECTOR IN FLEXIBLE TUBING.
- INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE (3-6-3) LOOP DETECTOR IN FLEXIBLE TUBING.
- REMOVE EXISTING SIGNAL HEADS, SIGNS, AND EXISTING MAST ARM.
- REMOVE EXISTING STEEL POLE, TWIN MAST ARMS, SIGNAL HEADS, AND SIGNS.
- REMOVE EXISTING PAVEMENT MARKINGS.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING HANDHOLE.

SPECIAL NOTES

- SEE SEQUENCE OF CONSTRUCTION ON GENERAL INFORMATION SHEET.
- REMOVE EXISTING HANDHOLE IN THE TIP OF THE MEDIAN THAT IS TO BE REMOVED.
- ALL SIGNAL HEADS AND SIGNS DENOTED WITH "A" SHALL BE IN OPERATION DURING SIGNAL CONSTRUCTION AND SHALL BE REMOVED AT THE END OF ALL SIGNAL CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE SIZE OF THE FLANGE PLATE, CONNECTING BOLTS, AND BOLT SIZES PRIOR TO ORDERING THE PROPOSED 70 FT. MAST ARM.

NOTES

- ALL PAVEMENT MARKINGS SHOWN ARE PROPOSED AND UNLESS OTHERWISE NOTED, ARE TO BE INSTALLED BY OTHERS IN ACCORDANCE WITH S.H.A. STANDARDS

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

ADDENDUM NO. 2
REPLACEMENT SHEET
05/20/03

REVISIONS	APPROVALS
① 04/2003 SIGNAL MODIFICATION DUE TO CONSTRUCTION ON MD 140 SHA NO: CL8445170 CTS MB	ORIGINAL TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
② 10/1999 REDLINE REVISION SIDE STREET SPLIT PHASE	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
③ 10/1998 SIGNAL MODIFICATION FOR ROADWAY WIDENING SHA NO: CL7935176	ON CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
④ REVISED 2/14/1984 POLE RELOCATED IN SOUTHEAST QUADRANT SHA NO: CL-612-501-785	FILE DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

REPLACEMENT OF BRIDGE NO. 6032 ON MD 140 OVER MD 27, WEST BRANCH AND MD MIDLAND RAILROAD AND BRIDGE NO. 6041 ON MD 140 OVER MD 97
MD 140 AT SULLIVAN ROAD - ULTIMATE SIGNAL

DRAWN BY: MB	F.A.P. NO. SEE TITLE SHEET	TS NO. 1577-E
CHECKED BY: RF	S.H.A. NO. CL8445170	SHEET NO. 241 OF 284
SCALE: 1"=20'	COUNTY: CARROLL	T.T.M.S. NO.
DATE: APRIL 2003	LOG MILE: 06014010.04	

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5/19/03 MB
C:\DOT\Traffic\cl8445170\cl8445170.dgn